

HISTORIC AMERICAN ENGINEERING RECORD

HAER  
ND,  
51-Fox.V,  
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Index to Photographs

Upper Souris National Wildlife Refuge, Dam 83  
Along the Souris River  
Ward County *↑ Foxholm Vicinity*  
North Dakota

HAER No. ND-3-A

NOTE: Photographs were taken by Frederick L. Quivik, photographer, May 1990

- ND-3-A-1      VIEW OF DAM 83, LOOKING SOUTHWEST FROM THE LOOKOUT TOWER AT THE REFUGE HEADQUARTERS (see HAER No. ND-3-A-13 for comparison)
- ND-3-A-2      VIEW OF DAM 83, LOOKING EAST FROM THE RIGHT ABUTMENT, SHOWING THE UPSTREAM FACE
- ND-3-A-3      VIEW OF DAM 83, UPSTREAM FACE, SHOWING LOCATION OF OUTLET GATE STRUCTURE, LOOKING EAST
- ND-3-A-4      DETAIL VIEW OF OUTLET GATE STRUCTURE AND UPSTREAM FACE, DAM 83, LOOKING EAST
- ND-3-A-5      VIEW OF DAM 83, SHOWING DOWNSTREAM END OF OUTLET TUNNELS FROM OUTLET CHANNEL, LOOKING NORTH
- ND-3-A-6      VIEW OF DAM 83, SHOWING OUTLET CHANNEL FLOWING INTO POND A WITH DIVERSION GATES LONG EAST (LEFT) SIDE OF OUTLET CHANNEL, LOOKING SOUTH FROM DOWNSTREAM FACE OF THE DAM
- ND-3-A-7      VIEW OF DAM 83, SHOWING DIVERSION GATES TO SOURIS RIVER CHANNEL (LEFT) AND POND A (RIGHT) FROM THE WEST SIDE OF THE OUTLET CHANNEL, LOOKING SOUTHEAST (for view of the original diversion gate, see historic photograph, HAER No. ND-3-A-15)
- ND-3-A-8      VIEW OF DAM 83, SHOWING OLD SOURIS RIVER CHANNEL FROM THE DOWNSTREAM FACE OF THE DAM WITH POND A IN THE BACKGROUND, LOOKING SOUTH
- ND-3-A-9      VIEW OF SPILLWAY AT DAM 83, SHOWING LOCATION OF FORMER CONCRETE FLASHBOARD STRUCTURE ON RIGHT, LOOKING WEST
- ND-3-A-10     DETAIL VIEW OF SPILLWAY AT DAM 83, SHOWING RIVER COBBLE PAVING (FOREGROUND) AND WINGWALL, LOOKING EAST
- ND-3-A-11     VIEW OF SPILLWAY AT DAM 83, SHOWING REFUGE HEADQUARTERS ON THE HORIZON (LEFT, CENTER), LOOKING EAST

ND-3-A-12      VIEW OF DAM 83, SHOWING EMERGENCY SPILLWAY CUT THROUGH RIGHT ABUTMENT, LOOKING SOUTH

The following are photographic copies of historic photographs. Original snapshot print is in "Narrative Report of the Upper Souris Migratory Waterfowl Refuge for June 1936," on file at the headquarters of the Upper Souris National Wildlife Refuge, Foxholm, North Dakota.

ND-3-A-13      VIEW LOOKING TO THE SOUTHWEST OF DAM 96, TAKEN FROM THE LOOKOUT TOWER AT THE REFUGE HEADQUARTERS

ND-3-A-14      DRAGLINE BEGINNING CONSTRUCTION OF THE BY-PASS CHANNEL CONNECTING THE DIVERSION GATE ALONG THE OUTLET CHANNEL WITH THE ORIGINAL CHANNEL OF THE SOURIS RIVER

ND-3-A-15      VIEW SHOWING WATER FLOWING THROUGH THE ORIGINAL DIVERSION GATE FROM THE OUTLET CHANNEL INTO THE BY-PASS CHANNEL LEADING TO THE ORIGINAL SOURIS RIVER CHANNEL (Note: this gate has since been replaced with concrete diversion gates, see HAER Photograph No ND-3-A-7)

The following are photographic copies of original construction drawings from the files at the Office of the Chief Engineer, U.S. Fish and Wildlife Service Regional Office, Denver.

ND-3-A-16      PLAN, PROFILE & TYPICAL SECTION STRUCTURE NO. 83. July 16, 1937

ND-3-A-17      DETAILS OF CONTROL GATE STRUCTURE DAM NO. 83. May/June 1935

ND-3-A-18      DETAILS SHOWING LEAKAGE THRU LIFT GATES AND PROPOSED METHOD OF STOPPING SAME, DAM 83. June 1944

ND-3-A-19      TOPOGRAPHY OF GATE OUTLET CHANNEL AT DAM NO. 83. May 1943

ND-3-A-20      DESIGN FOR REPAIRS TO GATE OUTLET CHANNEL AT DAM NO. 83. May/June 1943

ND-3-A-21      STOPLOG CONTROL STRUCTURE OUT OF GATE OUTLET CHANNEL AT DAM NO. 83. June 17, 1943

ND-3-A-22      SPILLWAY STRUCTURE DAM NO. 83 (Sheet 4 of 8 sheets). No date

ND-3-A-23      DAM NO. 83 PLAN OF SPILLWAY (Revised plans). No date

ND-3-A-24      STRUCTURE DETAILS OF UNITS BELOW DAM #83. June 1937

For photographs and historical information on other dams in the Upper Souris National Wildlife Refuge, see HAER No. ND-3-B, Dam 87; HAER No. ND-3-C, Dam No. 96